

ABSTRACT

The invention relates to a method for defining the degree of fullness in a mill and the load toe angle ( $\phi_k$ ), where there are used oscillations directed to the mill 5 electric motor, in order to define the toe of the mill load composed of the mass to be ground. According to the invention, from the obtained measurements ( $P(n)$ ) related to the mill draw or torque, there is defined the phase ( $\theta$ ) of the mill oscillation by using a frequency domain analysis, and that by means of the mill oscillation phase ( $\theta$ ), there is defined the load toe angle ( $\phi_k$ ).